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NOTICE OF ALLOWANCE AND FEE(S) DUE

22852

7590

01/13/2009

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP 901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413

| EXAMINER | | | | | |
|------------------|--------------|--|--|--|--|
| PENG, CHARLIE YU | | | | | |
| ART UNIT | PAPER NUMBER | | | | |

2883

DATE MAILED: 01/13/2009

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/584,988 | 03/01/2007 | Alexis Debut | 09875.0377 | 7846 |

TITLE OF INVENTION: LOW POLARISATION MODE DISPERSION (PMD) OPTICAL FIBER LINK, AND METHOD OF MAKING THE SAME

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 04/13/2009 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

| appropriate. All further ndicated unless correcte naintenance fee notifica | ed below or directed oth | ng the Patent, advance on nerwise in Block 1, by (a | rders and notification of a) specifying a new con | of ma | aintenance fees wil ondence address; a | l be i .nd/or | mailed to the current of (b) indicating a separ | correspondence address as ate "FEE ADDRESS" for |
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| | K AVENUE, NW J, DC 20001-4413 | | п Г | ransı | mitted to the USPIC |) (57) | 1) 2/3-2885, on the da | (Depositor's name) |
| | | | ŀ | | | | | (Signature) |
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| 10/584,988 | 03/01/2007 | | Alexis Debut | | | | 09875.0377 | 7846 |
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| nonprovisional | NO | \$1510 | \$300 | _ | \$0 | | \$1810 | 04/13/2009 |
| EXAM | IINER | ART UNIT | CLASS-SUBCLASS | ╝ | | | | |
| PENG, CH. | | 2883 | 385-050000 | | | | | |
| . Change of correspondence address or indication of "Fee Address" (37 :FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. | | (1) the names of up or agents OR, altern (2) the name of a si registered attorney (2 registered patent a | 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. | | | | | |
| PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG | less an assignee is ident h in 37 CFR 3.11. Comp GNEE | oletion of this form is NO | data will appear on the T a substitute for filing (B) RESIDENCE: (CI | e pat an a | ent. If an assignee ssignment. and STATE OR CO | UNT | RY) | cument has been filed for |
| lease check the appropr | iate assignee category or | categories (will not be pr | inted on the patent): | | Individual 🖵 Corp | orati | on or other private grou | p entity Government |
| | are submitted: No small entity discount p # of Copies | permitted) | Payment of Fee(s): (F A check is enclose Payment by credit The Director is her overpayment, to Do | d. card eby a | . Form PTO-2038 i | s atta | ched. equired fee(s), any defi | |
| _ ` . | tus (from status indicate s SMALL ENTITY statu | | h Applicant is no | long | or claiming SMALL | ENT | TTY status. See 37 CF. | P 1 27(a)(2) |
| OTE: The Issue Fee an | d Publication Fee (if rea | | d from anyone other tha | | | | | assignee or other party in |
| · | | | | | Date | | | |
| Authorized Signature | | | | | | | | |
| n application. Confiden ubmitting the completed ais form and/or suggesti | tiality is governed by 35 d application form to the ions for reducing this bu. Virginia 22313-1450. DC | U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the | 1.14. This collection is depending upon the in e Chief Information Of | estii divid ficer | mated to take 12 mi dual case. Any com LLS Patent and Ti | nutes ments | to complete, including s on the amount of time tark Office, U.S. Depar | by the USPTO to process) gathering, preparing, and e you require to complete tment of Commerce, P.O. or Patents, P.O. Box 1450, |

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| 10/584,988 | 03/01/2007 | Alexis Debut | 09875.0377 | 7846 | | |
| 22852 75 | 90 01/13/2009 | | EXAM | INER | | |
| FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP 901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413 | | | PENG, CH. | ARLIE YU | | |
| | | | ART UNIT PAPER NUMBER | | | |
| | | | 2883 | | | |
| WASHINGTON, DC 20001-4415 | | | DATE MAILED: 01/13/2009 | | | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

| | Application No. | Applicant(s) | |
|--|---|--|-------|
| | 10/584,988 | DEBUT ET AL. | |
| Notice of Allowability | Examiner | Art Unit | |
| | CHARLIE PENG | 2883 | |
| The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI | (OR REMAINS) CLOSED in or other appropriate commu GHTS. This application is s | this application. If not included nication will be mailed in due course. | |
| 1. This communication is responsive to <u>amendment filed 15 C</u> | <u> Dctober 2008</u> . | | |
| 2. ☑ The allowed claim(s) is/are <u>24-48</u> . | | | |
| 3. Acknowledgment is made of a claim for foreign priority una) a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents | been received. been received in Application | n No | n the |
| International Bureau (PCT Rule 17.2(a)). | | 3 11 | |
| * Certified copies not received: | | | |
| Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give | IENT of this application. itted. Note the attached EXA | MINER'S AMENDMENT or NOTICE | |
| 5. CORRECTED DRAWINGS (as "replacement sheets") mus | | acciaration to delicional | |
| (a) ☐ including changes required by the Notice of Draftspers | | (PTO-948) attached | |
| 1) ☐ hereto or 2) ☐ to Paper No./Mail Date | - | (110 540) attached | |
| (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. | s Amendment / Comment or .84(c)) should be written on th | e drawings in the front (not the back) o | of |
| each sheet. Replacement sheet(s) should be labeled as such in the first of the deposit of and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT. | sit of BIOLOGICAL MATE | RIAL must be submitted. Note the |) |
| | | | |
| Attachment(s) 1. ☑ Notice of References Cited (PTO-892) | 5. ☐ Notice of Inf | ormal Patent Application | |
| 2. Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No./I | ımmary (PTO-413), Mail Date | |
| 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date | 7. 🗌 Examiner's | Amendment/Comment | |
| Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8. ⊠ Examiner's a | Statement of Reasons for Allowance | |
| | | | |

DETAILED ACTION

Reasons for Allowance

1. The following is an examiner's statement of reasons for allowance:

Applicant's argument with respect to amended claims is persuasive that relevant prior art does not teach or suggest a plurality of optical fiber spans obtained from different fibers and void of zero spin rate sites being joined or optically linked together in combination with rest of the limitations or a method of making the same since the portion where fiber spans are joined together (Bohnert) or the portion where the helicity changes between fiber spans (Evans) has a zero spin rate. This is an improvement upon prior art and critical to the invention because having fiber sites of zero spin rate is detrimental for the PMD of the fiber because there is an increase in the effective birefringence seen by the pulse and thus a higher contribution for PMD as pointed out by applicant.

2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHARLIE PENG whose telephone number is (571)272-2177. The examiner can normally be reached on 8 am - 5 pm M-F.

10/584,988

Art Unit: 2883

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Frank G. Font can be reached on (571) 272-2415. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

12/30/2008

/CHARLIE PENG/ Primary Examiner, Art Unit 2883